December-19-12 12:57:29 PM

Item ID: Revision ID: Item Name:	D3916-041 Rib Assembly		·	Accept	*N900	<b>040</b>	100	)* s	Setup Star Sto	ı VI -	S1*
Start Date: Required Date Reference:	12/19/12	Start Qty: 8.00 Req'd Qty: 8.00	*8 *8	(Gr)	Cust Item I Customer:	D:				iv.	
Approvals:	Process Plan	n: <u> </u>	Date: <u>/3-0/</u>			ate:		F	Run Star Sto	" <b>[V</b> ]	R1* R2*
Sequence ID/ Work Center I	ID	Operation Description	<b>E.</b>	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revi	ision Nbr									
D3916.	Α										
*100 *100* Large Fab Large Fab	<b>v</b> ,	*** Make side of tul 3- Trim ac	libe with manuel pipe be line at 9.00" and use joe when bending*** ceess tube material to f	0.00  0.00  ender as per DT9567 ig for other lines, and ensure sea inish size as per dwg D3916 dwg D3916-1 using DT9605	m in place on			6x	CC	13-0	22-78
105 *105* QC Quality Control		QC6- Inspect dimension	ons to drawing	0.00	s	′ 1		_(ox_	- Alexandra - Alex	LJ 13	? - ८२२ - बेर्ट

					WORK ORDER NON		NEO DA	44405 / 1100		DQA:	Date:	1
NCR: Y	es / No				WORK ORDER NON-C	JOI	NFORN	MANCE / UPD/	AIE	QA Closed:	Date:	
Work Orde	ır.				DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Part N	lo				Rework Scrap Use-as-is Work Order Update		l Therm	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Descr	iption of work order update		Initial	Actio	on	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Ch	nief Eng	Descrip	otion	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved												
				- · · · · · · · · · · · · · · · · · · ·	*****	AUL	LT CATE	GORY				
Landin	ng Gear			r	General	_	7		_	3	_	<b>-</b>
	Cracks	ot Concei /Crimped		O/S	Bend BOM/Route Broken/Damaged Burrs Contamination		4	ion Incomplete ions Incomplete/Un		Ovalized Over/Under Part Incorre Part Lost/M Part Moved	ct	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
	Heat Tre	at			Countersink	1	Mislabe	eled		Positioned V	Vrong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

December-19-12 12:57:29 PM D3916-041 Accept Item ID: Setup Start \*N900040100\* **Revision ID:** Rib Assembly Item Name: Start Otv: 8.00 **Start Date:** 12/19/12 **Cust Item ID:** Req'd Qty: 8.00 Required Date: 1/11/13 **Customer:** Reference: Run Date: Process Plan: Tooling: Approvals: Date: Stop OC: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Reject Reject Accept Insp. Oty Work Center ID **Description** Code Oty Number Stamp **Run Hours** Weld per dwg A/R S.S. rod Batch: M/22/30 107 0.00 \*107\* 0.00 Large Fab Memo 1- weld bushing as per dwg D3916 Large Fab 2- grind welds flush OC5- Inspect part completeness to step on W/O 110 0.00 \*110\* QC 0.00 Memo Quality Control QC10- Inspect visual per QSI004- ground welds 0.00 120 QC 0.00 Memo **Quality Control** 

									DQA:	Date:	1
NCR: Yes	s / No				WORK ORDER NON-C	ONFOR	MANCE / UPI		QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No					Rework Scrap Use-as-is Work Order Update	4 I	Skid-tube  Machining  moforming  Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update	Initial	Act	tion	Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Chief Eng	Descr	ription	Date	Verification	QC Inspector
Doc/Data											
quip/Tooling											
Operator											
Material											
Setup				ı							
Other											
rocess											

**FAULT CATEGORY Landing Gear** General Bend Grain Pressure/Forced Bending Ovalized BOM/Route Over/Under tolerance Temperature/Cure Centre Not Concentric to O/S Hardware Cracks Broken/Damaged Inspection Incomplete Weld Part Incorrect Wrong Stock Pulled Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Cuffs Contamination Maintenance Part Moved Positioned Wrong Heat Treat Countersink Mislabeled Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other Drill Holes Offset Ripples in Bend Torque Waves in Extrusion Out of Calibration Drawing Turning Sequence Out of Sequence Finish Wave/Twist in Tube Folio Outside Dimensions

Supplier Training Unapproved

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

\*94585\*

Page 3

December-19-12 12:57:29 PM

Item ID: Revision ID:	D3916-041			Accept	*N90004	. <b>Ი1</b> ᲘᲘ*	Setup	Start	INTO
	Rib Assembly 12/19/12 1/11/13	Start Qty: 8.00 Req'd Qty: 8.00	*8* *8*		Cust Item ID: Customer:			Stop	IN.7/
Approvals:		in:	Date:				Run	Start Stop	"INKI"
Sequence ID/ Work Center II  130  *130*  Packaging  Packaging	)	Operation Description Identify as per dwg & St	tock Location: <u>W/A</u> OO 4	Set Up/ Run Hours 0.00	Tool ID Too	Code C	Qty Q	ty	Reject Insp. Number Stamp
140 *140* QC Quality Control		QC21- Final Inspection  Memo	- Work Order Release	0.00		_		3/3	3/4 A) MF . 13-3-4

											DQA:	Date:	·
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFOR	MANCE / UP	DATE			
											QA Closed:	Date	•
Work Ord	er.					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part I	No					Rework Scrap Use-as-is Work Order Update		L	Skid-tube  Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root			<u> </u>		Descri	ption of work order update	Τ	Initial	Ac	tion	Sign &		
Cause	1	Date	Step	Qty	l	or Non-conformance	Cł	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved													
							AUI	LT CATE	GO <sub>RY</sub>				······································
Landi	ng G	iear			<del></del> -	General		7			7	<b></b> _	<del>-</del>
	-	Bending Centre No	ot Concer	ntric to	o/s	Bend BOM/Route	$\vdash$	Grain Hardwa	re	-	Ovalized Over/Under	tolerance	Pressure/Forced Temperature/Cure
	-	Cracks			<u> </u>	Broken/Damaged		Inspect	on Incomplete		Part Incorre	ct	Weld
		Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/	'Unclear	Part Lost/M	issing	Wrong Stock Pulled
		Cuffs				Contamination		Mainte	enance		Part Moved	_	<del>_</del>
ļ	П	Heat Trea	at			Countersink		Mislahe	eleci		Positioned \	Vrong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

## **Picklist Print**

December-19-12 12:57:29 PM

Work Order ID:

94585

Parent Item:

D3916-041

Parent Item Name:

Rib Assembly

**Start Date:** 12/19/12

Required Date: 1/11/13

Page 1

Start Qty: 8.00

Required Qty: 8.00

Comments:

IPP RevA: New issue DD verified by:EC verified by:EC

	verified by:EC												
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3759-1		Manufactured	No			100	Each	246.0000	7	-56	-42 pp	13	02-2
Bushing											<u> </u>	15	020
				<b>Location</b>		Loc Qty	Lo	c Code		~			
				WA004		246	B 88 2	236 –	-> (4	(ZX)			
				6648	9	1	1) 00						
				7921	3	1							
				8346	4	7							
				8655	0	20							
				8978	0	11							
ř				9078	6	206							
M304TS0.750W.049	QW/	Purchased	No			100	f	905.1312	4.166	35.082	105	13-0	02-28

IPP Rev:B as per dwg revA 10.03.15

<b>Location</b>	Loc Qty	Loc Code	
MAT017	2.0156214	B124497	-> 26.31
121898	2.0156214		
WA006	903.1155859		
122201	0.1626		
122425	39.0000000		
122666	0.7293		
122710	20.5		
123219	289.5		
123484	553.223686		

											DQA:	Date:	, ,
NCR: Y	⁄es	/ No				WORK ORDER NON-	COI	NFORI	MANCE / UP	DATE			
								,			QA Closed:	Date:	
Work Orde	٦r.					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Work Orde	-'' -					Rework	]		Skid-tube	Crosstube	]	Water Jet	Engineering
Part N	١o.					Scrap		l.	Machining	Small Fab	4	d. Eng. Coor.	Quality
NCR N						Use-as-is	4		noforming	Finishing	Rec/Sto	re/Packaging	Other
I NCK IN	NO.					Work Order Update	ا ا		Large Fab	Composite	j	Supplier	
Root					Descri	ption of work order update		Initial	Ac	tion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Cr	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling							}						
Operator													
Material													
Setup													
Other							1						
Process													
Supplier													
Training [													
Unapproved													
						F	AUI	T CATE	GORY				
Landir	ng G	ear				General		_			_		
		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre N	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged	Г	Inspect	on Incomplete		Part Incorre	ct 「	Weld
1 [		Crushed/	Crimped			Burrs		Instruct	ior's Incomplete/	/Unclear	Part Lost/M	issing	Wrong Stock Pulled

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled Misread

Offset

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Part Moved

Positioned Wrong

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

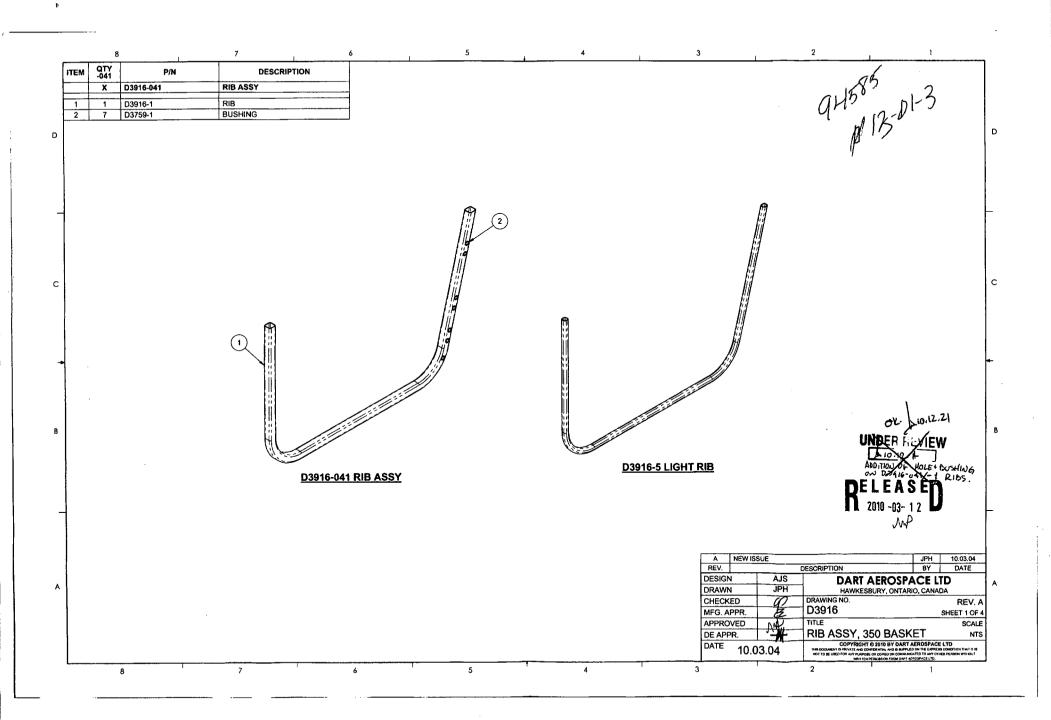
Cuffs

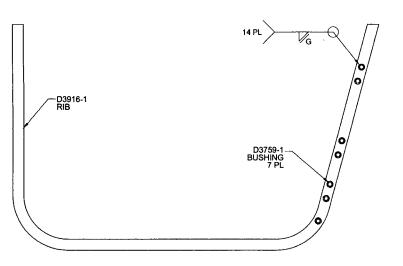
Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

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**D3916-041 RIB ASSY** 

NOTES:
1) MATERIAL: N/A
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: NONE
7) WEIGHT -041: 1.84 ibs
8) WELD PER DART QSI 004

DESIGN	AJS	DART AEROSPACE	DART AEROSPACE LTD						
DRAWN	JPH	HAWKESBURY, ONTARIO, CAN	IADA						
CHECKED	9	DRAWING NO.	REV. A						
MFG. APPR.	12	D3916	SHEET 2 OF 4						
APPROVED	AN	TITLE	SCALE						
DE APPR.	4	☐RIB ASSY, 350 BASKET	NTS						
DATE 10.0	03.04	COPYRIGHT © 2010 BY DART AEROSPACE LTD  INSOQUIEM IN PRIVATE AND CONFEDENTIA, AND IS SUPPLED ON THE EXPRESS CONDITION THAT IT IS  NOT TO BE USED FOR ANY PURPLESS OR CONFED OR COMMANCED TO NAM THEIR PERSON WITHOUT							

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